

CONNECTION/SWITCH ARRANGEMENT

ABSTRACT OF THE DISCLOSURE

A connection arrangement includes a first connector (12) with an opening leading to first and second contacts (14, 16), where the first contact includes a beam (40) that is biased upwardly against the second contact but which can be depressed out of engagement with the second contact. The beam is depressed by a plug inner contact (32) of a mating second connector (30) that passes into the opening and depresses the beam, in an arrangement that assures firm engagement of the plug inner contact with the beam despite small beam movement. A stop (70) lying under the beam, limits its downward movement by the plug inner contact. The plug inner contact is spring biased downwardly with respect to the second connector frame (36) but can move up, so the second connector can continue to move down a short distance after the plug inner contact has pushed the beam against the stop, to enable full engagement of largely coaxial outer contacts (26, 34) of the first and second connectors. The arrangement enables reduced downward movement of the beam while assuring considerable pressure contact between the plug inner contact and beam.